

Midstate ARC

PUBLIC SERVICE P.O. BOX 21
ACTIVITIES WHITELAND, IN

The MIDSTATE AMATEUR RADIO CLUB Newsletter
Vol. 4 Ed 3

Next Meeting: May 18, 1985. Guest speaker will be Mike Head, WB9ZQE. Breakfast as always at the House of Franklin at 0730, and the meeting will be held at the Franklin Community Center at 0800. It might be wise to show up a little earlier for the breakfast to take advantage of all the fellowship and good food.

President	Paul Thomas	KA9DTH	881-6338
Vice-Pres	Joan Kemp	N9DON	736-9355
Sec-Tres	Tom Carroll	NA9ZD	535-8047
Trustee	Darrell Sego	KM9S	736-4049
Activities	Ed Woods	WD9DVA	887-3510
ARES E.C.	Dan Dews	KK9G	881-9792
Editor	Bradley Stone	NB9M	882-5245

Finished ahead of schedule, and at a cost of \$25 to the club, our first link system is now in operation in Franklin. The cost savings and speed of implementation is credit to the following group:

WB9PAR- UHF transmit/receiver and 440 beam.
KM9S- Power supply.
WA9RDF- Link site.
KA9MUU- Metal work.
NB9M- VHF receiver and C.O.R. switcher.
KK9G- coax.

This again proves cooperation and enthusiasm can make things happen fast, a perfect example of what a club is all about.

Handheld coverage in the county took a giant step forward. 150 milliwatts on a rubber duck inside a car will take you all over Franklin plus up to Whiteland and down close to Amity. 300 milliwatt access was achieved on a rubber duck south of Amity at 252 and US 31. One watt on a Vocom collapsible whip was solid from the east side of Morgan-town. The link can be accessed from White River Township on 2 watts and a Vocom, and so on.

This is one link site only, and is not necessarily a permanent location; it was established to test the new system. Three or four more can provide handheld coverage of the entire county, and then some.

NOVICE CLASSES START SOON

Plans are being made to start a novice class in Franklin for the summer. Classes will run from June 3rd to Sept 9th.

Details have not been completed at this time, but will be soon. For further information please call:

KA9OOH-Dave Wendt-784-1044
KA9DTH-Paul Thomas-881-6338
N9DON-Joan Kemp-736-9355
WB9AYB-Bob Doles-738-2908

N9DON
Joan

CLUB
T-SHIRTS!
CALL
784-1044

**N9AZD/R
145.45 MHZ
WE'RE
LINKED
TO
YOU!**

BY
KN9E

(continued)

N9AZD LINK continued

The system is really quite simple. Normal repeater input is received in Franklin, retransmitted at UHF (in the 440 band), received at the repeater site by a UHF receiver, and the audio is sent to the existing repeater transmitter. Complex and expensive doesn't always mean more effective.

What will get more links on the air is you, the members. We need equipment. Bob, WB9AYB, and Darrell, KM9S, have provided a 2-meter receiver and UHF scanner, respectively, for the next link. We still need:

UHF transmitters (Transceiver such as
Regency HR 440)
UHF Omni Base Antenna
Coax

What else would you like to see? Lets all talk at the next club meeting.

KN9E
Dave

ARES

Since last July many of our members have aligned themselves with INCERT. Now, times have moved on and our respective rosters have grown. It's now time to ask for members again. It costs you nothing but our time, and gives us the opportunity to help our community in time of need.

For those of you already signed up, please disregard, but for all the new members this is for you. There is no meetings or dues, just you in time of need.

KK9G
Dan

TORNADO SEASON IS HERE

When bad weather approaches, tune in to N9AZD/F and see if you can help. KK9G is handling things, and trying to streamline procedures.

N9AZD/R IS GROWING UP!



Along with all the other recent repeater activities, the repeater committee has ordered a brand new Melco receiver, transmitter and 30 watt amp, as well as a gas-fet preamp for the system. Of course, everything is totally solid state and will undoubtedly prove to be much more reliable. Much research was done by Larry, WB9YAJ, before settling on this particular make. Melco is also the manufacturer of the IDer/C.O.R. board used now, and is of course compatible with the new system, which should be in operation as you read this.

"The whole intent," said our illustrious president, "is to provide the members with a reliable, cost effective main system, with which we can expand upon as needed."

WB9YAJ will also rebuild the cavities, so we will rely on the link for a period of time.

From the President's Desk...

The February Swapfest was an excellent event. Thanks to all who assisted, especially the ladies. Our group continues to grow with 40 members at last count. The Tornado Emergency Test which was held on March 20 was a success in that many hams were available on a weekday morning. W9MLN called the net at 1611 GMT after receiving notification via the wx service on his scanner. Check ins were WB9AYB, N9DLN, K19T, W9PSD, KA9OOH, KM9S, WA9RDF and KA9DTH. W9MLN sent a message to WB9ZQE via 10/70 notifying him of our participation and then secured our net at 1628 hours. Thank you Dan for a great job.

Our Vice President, N9DON, has conned KA9OOH, Dave, into being the educator in a second novice class for our area this summer; details elsewhere in this issue.

We managed to get the Field Day dates screwed up, but all has been corrected: June 22 and 23.

The repeater group has so many projects in the mill that I can't keep them straight.

KA9OOH is deep into his present Novice class and many have offered to assist him. KA9QYK is assisting presently with code practice. KK9G continues to hold a strong ARES check in each Sunday evening and he is being assisted by WB9RCI.

Several of us are undergoing training in the Greenwood P.D. dispatch center. This program is under the direction of KK9G, so ring him up if you are interested.

A lot of fine talent is showing up in our group. That is why we continue to move forward. This newsletter is an excellent example! Thanks to all of you.

KA9DTH
Paul

Be a Part.

JOIN THE FASTEST
GROWING CLUB AROUND
FOR THE RADIO AMATEUR.

ULTRA/R N9AZD

FINDING A BETTER WAY

SECOND ANNUAL
FIELD DAY
JUNE
22 / 23

CALL MARK QUEBE, N9EKG for details. His phone: 787-9169 This years Field Day will again be at camp Atterbury, and will have a tower to hang antennas on. Last year was great, But let's make this year MORE fun. New members please come, this is one of Mid-states finest hours!

QRM de NB9M

Once again, the big news this time is the repeater. Seems like every time the newsletter is released, something major is happening with our repeater. In many ways, this repeater is the heart of the club. The next biggest thing is, of course, activities.

Lately, with the onslaught of nicer weather there has been an understandable lack of volunteers in the area of activities. The plea for help in organizing a mini DXpedition fell to deaf ears; not one person called to help. Even though the club has grown rapidly, the same old problems exist regarding the "clic" group of active members. These members are dedicated to the club, and are concerned about it's growth and future. A lot of these "clic" members have seen the rise and falls of previous groups, and recognize the danger signs, and respond because they care. What is the problem with the "clic" group? They NEED HELP!!! When we are one huge happy clic, we are successful in every respect. Join the clic that cares, and raise your hand when we need help.

-EDITOR

Ham of the Day

Dean Timmerman, KD9NQ

Did you notice the quiet, capped ham at the Swapfest? Dean lurks in the shadows a lot, until a good hamfest comes along.

Dean was born and raised in the area, and has been a ham four years. He and his lovely wife Betty live on S. Meridian, just in to Marion County. Relaxing is one of Deans favorite pastimes after getting home from Eli Lillys, where he works in the photography department. With his two harmonics grown and scattered, he occasionally finds time to hang out on the low bands with his Kenwood TS520SE and Drake TR-5, where he enjoys a good C.W. ragchew.

Welcome to the club, Dean...

Who will be the next Ham of the Day?

CLUB LIBRARY

Just a reminder to our new members; we have a fairly extensive library of amateur magazines and a few other types of ham literature for your reading pleasure and project building. Tom, N9AZD, is keeping track of things and is able to serve you in a prompt fashion. Need something? Call 535-8047

5 X 9...

New contest club now forming.

Anyone interested in joining a contest club can call KJ9D Joe Sego at 784-9132, KK9V or WSLF. The club is ARRL affiliated and already has approximately 35 members located throughout Indiana and Ohio. All that is needed is a desire to contest. You can work contests at your home qth and turn in a score for an individual score and also for a combined club score. Next meeting is May 28th at Warren Central Library, 9301 E. 21st St. at 7:00 p.m.

Hamhocks

EN TEC CENTURY 21
full break in
all solid state
call Ron Cooper
897-0016

COMMODORE 64
with dataset
like new
call Brad Stone
882-5245

Two 6-volt
Wet Cells,
20 amp-hrs
FREE!!!
Call Paul Thomas
881-6338

AN ACCIDENT REPORT

"I am writing in response to your request for additional information. In block no. 3 of the accident reporting form 1, I put "poor planning" as the cause of my accident. You said in your letter that I should explain more fully. I trust that the following detail will be sufficient."

I am an amateur radio operator. On the day of the accident I was working alone on the top section of my new 80 foot antenna tower. When I had completed my work, I discovered that I had, over the course of several trips up the tower, brought up about 300 pounds of tools and spare hardware.

Rather than carrying the now unneeded tools and materials down by hand, I decided to lower the items in a small barrel by using a pulley which, fortunately, was attached to the gin pole at the top of the tower. Securing the rope at the ground level I went to the top of the tower and loaded the tools and materials into the barrel. Then I went back to the ground and untied the rope, holding it tightly to insure a slow descent of the 300 pounds of tools.

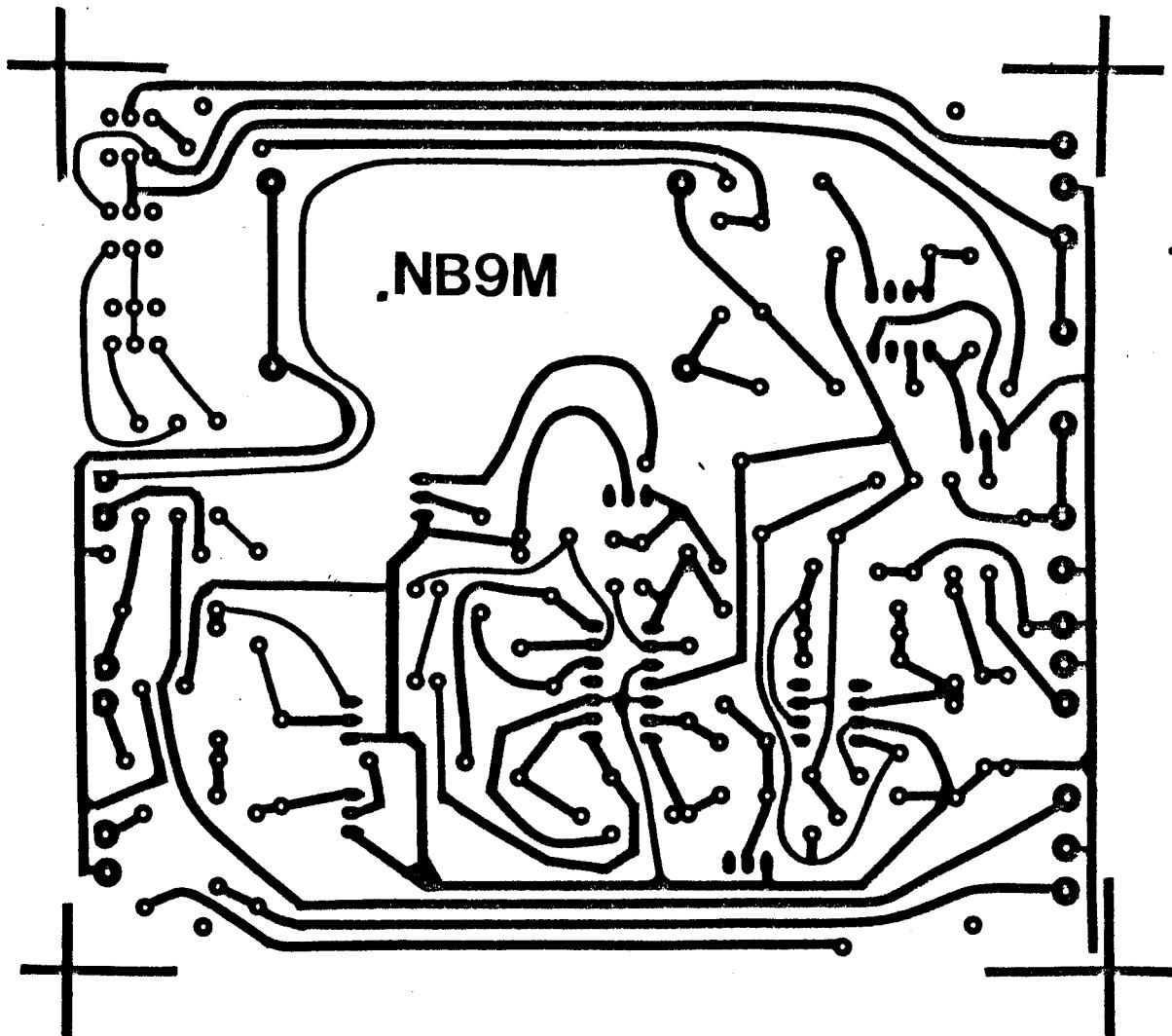
You will note in block number eleven of the accident form that I weigh 155 pounds. Due to my surprise at being jerked off the ground so suddenly, I lost my presence of mind and forgot to let go of the rope. Needless to say, I proceeded at a rather rapid rate up the side of the tower. In the vicinity of the 40 foot level, I met the barrel coming down. This explains my fractured skull and broken collarbone.

Slowed only slightly, I continued my rapid ascent, not stopping until the fingers of my right hand were two knuckles deep into the pulley. Fortunately, by this time I had regained my presence of mind and was able to hold tightly to the rope in spite of my pain. At approximately the same time, however, the barrel hit the ground - and the bottom fell out of the barrel. Devoid of the weight of the tools, the barrel now weighed 20 pounds.

I refer you again to my weight in block number eleven. As you might I began a rapid descent down the side of the tower. In the vicinity of the 40 foot level I met the barrel coming up. This accounts for the two fractured ankles and the lacerations of my legs and lower body.

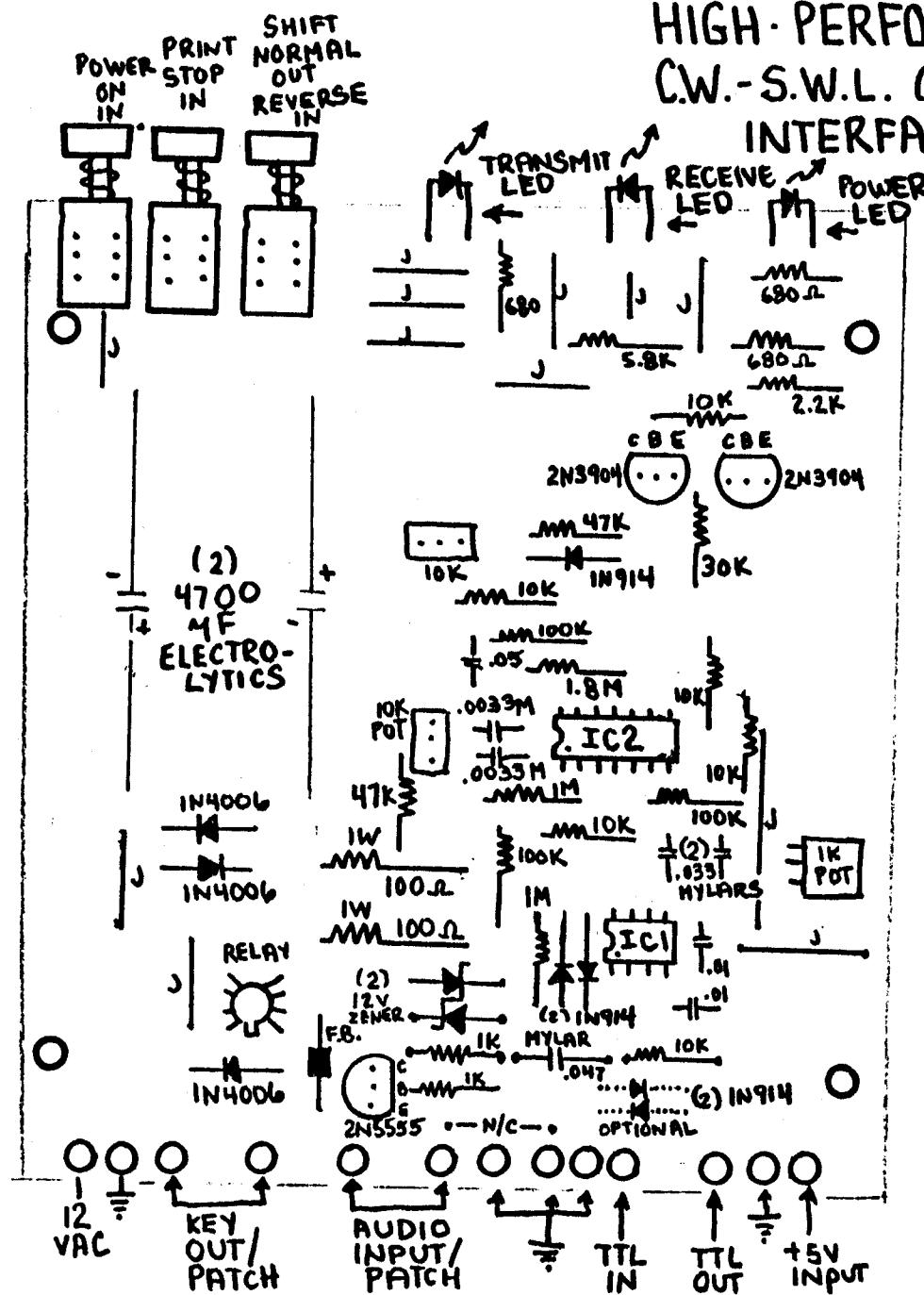
The encounter with the barrel slowed me enough to lessen my injuries when I fell onto the pile of tools and, fortunately, only three vertebrae were cracked. I am sorry to report, however, that as I lay there on the tools in pain, unable to stand, and watch the empty barrel 80 feet above me, I again lost my presence of mind. I let go of the rope....."

PROJECTS



As promised, here is a CW terminal unit that can be built a very reasonable cost and performs exceptionally well. The Butterworth filters are staggered for very steep selectivity curves. The reed relay is available from Radio Shack and I have a few Teledyne relays for those who want to build this. I also have a few P.C. Boards for a small price. This terminal unit is presently used in the shacks of KA9SEP, KD9HA and myself with remarkable results. Construction is straightforward. Limiting diodes can be used in the input if desired. Tuning the filters can be accomplished with either a scope and generator, or by tuning in a signal around 930 hz and tuning them for maximum D.C. voltage on pin 13 of IC2d. As always, if you have any questions, please call. Thanks to Doug Roeder of Indianapolis for design help on this.

HIGH-PERFORMANCE C.W.-S.W.L. COMPUTER INTERFACE



ALL T.T.L. REFERENCES
ARE ACTIVE LOW,
NORMALLY HIGH.

IC1 = LM741
IC2 = LM324

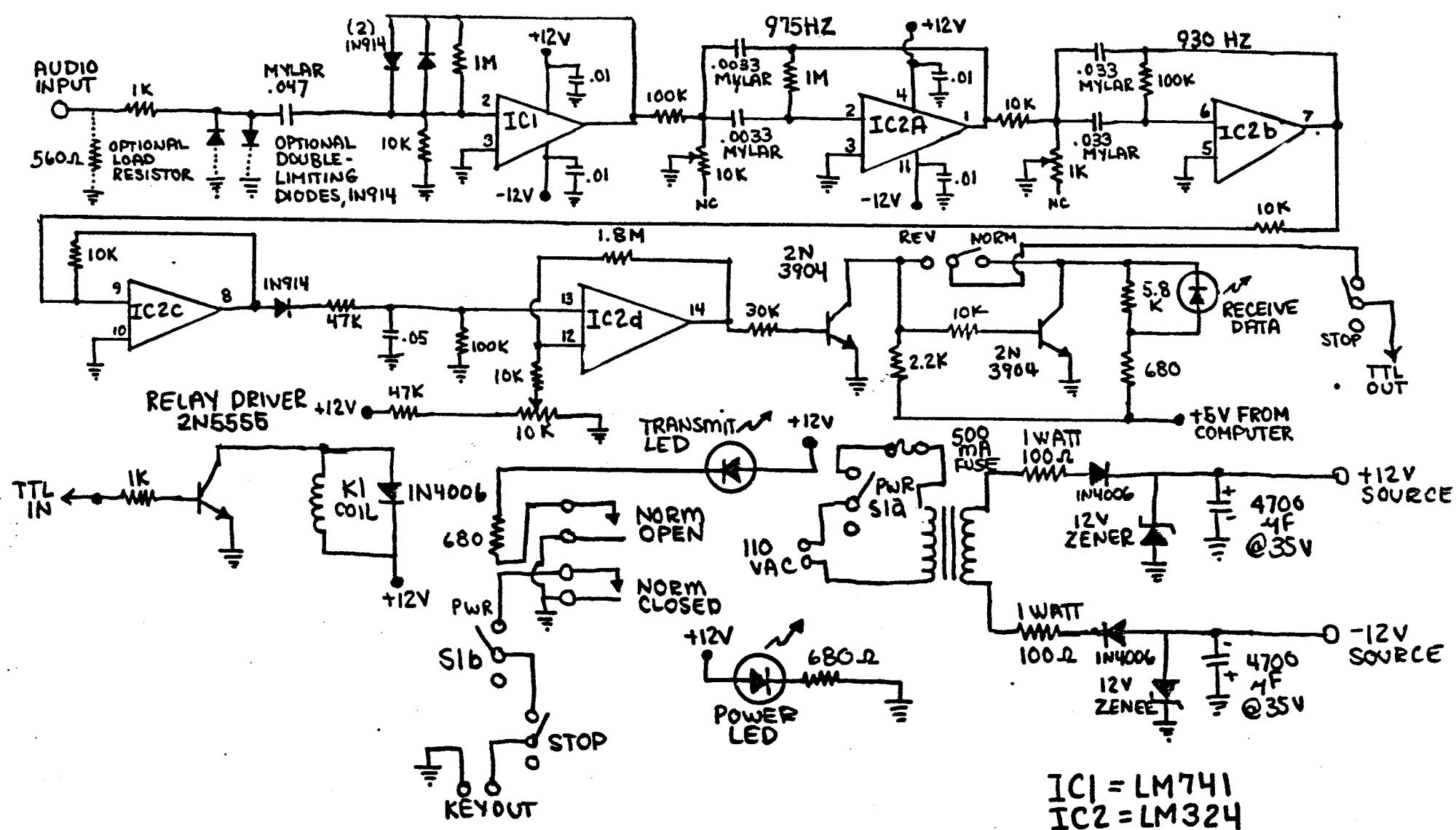
ALL DIODES EXCEPT 12V ZENERS AND IN4006'S
ARE IN914, IN4148 OR EQUIV.

"J" DENOTES WIRE JUMPER

"F.B." DENOTES FERRITE BEAD
OVER JUMPER WIRE

RELAY IS A TELEDYNE MINIATURE DPDT

2-15-85
NB9M



May the Morse Be With You

MIDSTATE AMATER RADIO CLUB

1985 DIRECTORY

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KA9OOH	N9DON	W9MLN
DAVE WENDT (PUBLICITY)	JOAN KEMP (VICE PRES.)	DAN CAMMACK
8655 WINDING RIDGE RD.	1709 CRESCENT ST.	918 RAMBLIN ROAD
INDIANAPOLIS, IN 46217	FRANKLIN, IN 46142	GREENWOOD, IN 46142
TEL: 784-1044	TEL: 736-9355	TEL: 888-9877
N9AZD	KA9DTH	KK9G
TOM CARROLL (SEC/TREAS)	PAUL THOMAS (PRESIDENT)	DAN DEWS (E.C.)
199 BRIAR HILL DR.	R.R.1 BOX 1790	1938 MEYER ST.
WHITELAND, IN 46184	GREENWOOD, IN 46142	GREENWOOD, IN 46142
TEL: 535-8047 (REPEATER)	TEL: 881-6338/261-8627	TEL: 881-9792/887-0700
KM9S	KA9SEP	KA9QYK
DARRELL SEGO (TRUSTEE)	JIM BARTELL	ERIC MAPPES
1507 YOUNCE ST.	1815 N ELMHURST	6220 HARDEGAN
FRANKLIN, IN 46131	INDIANAPOLIS, IN 46227	INDIANAPOLIS, IN 46227
TEL: 736-4049 (V.E.)	TEL: 357-4683	TEL: 786-9153
N9DZO	KD9EQ	W9LNX
DEAN E. TIMMERMAN	TOM CASHION	LENDLE COOK
7125 S. MERIDIAN	198 LILAC CIRCLE	R.R.5 BOX 33BL
INDIANAPOLIS, IN 46217	GREENWOOD, IN 46131	FRANKLIN, IN 46131
TEL: 882-1928	TEL: 888-3530	TEL: 736-7338
KN9E	WB9AYB	KG9K
DAVE DISTLER (REPEATER)	BOB DOLES	BILL FISHER
3962 CREEKWOOD (V.E.)	R.R.5 BOX 308	R.R.1 BOX 54 U-2
GREENWOOD, IN 46142	FRANKLIN, IN 46131	FRANKLIN, IN 46131
TEL: 882-8843/788-5977	TEL: 738-2908	TEL: 535-5496 (V.E.)
W9BBE	KA9FFC	W9YNF
BOB FLOOD	RAPH WALSH	ED HUDDOCK
6 POPLAR POINT DR.	4044 HAZY LANE	R.R.1 BOX 222
TRAfalgar, IN 46181	GREENWOOD, IN 46131	FRANKLIN, IN 46131
TEL: UNKNOWN	TEL: 888-6730	TEL: 736-8093
KA9QGD	KA9MUU	N9DLN
MAURI KIEL	JAY CHRISMAN	LARRY KEMP
8604 MILLFARM CT.	600 PARK AVE.	1709 CRESCENT ST.
INDIANAPOLIS, IN 46227	GREENWOOD, IN 46131	FRANKLIN, IN 46131
TEL: 888-4055	TEL: 882-7773	TEL: 736-9355
WB902Z	KI9R	W9JZV
HOMER KEESLING	TIL KINSER	DOYAL MCVICKER (WESTLINK)
421 WALNUT ST.	6651 N. 110 W.	5436 N. ALTON AVE.
FRANKLIN, IN 46131	COLUMBUS, IN 46208	INDIANAPOLIS, IN 46208
TEL: 736-5456	TEL: 812-372-5006 (V.E.)	TEL: UNKNOWN (HON.)
N9DZR	WD9HJN	W9UMH
ROSS MARLIN	JOHN MCCARTNEY	BRUCE WOODWARD
141 ROUNDDELAY	510 W. BROADWAY	6208 BRAMSHAW RD.
FRANKLIN, IN 46131	GREENWOOD, IN 46220	INDIANAPOLIS, IN 46220
TEL: 736-8656	TEL: 881-1417	TEL: 251-5606 (HON.)

WB9YAJ LARRY OAKS (REPEATER) 691 FORREST AVE. GREENWOOD, IN 46142 TEL: 882-5949	N9EKG MARK QUEBE 6749 YELLOWSTONE PKWY. INDIANAPOLIS, IN 46227 TEL: 787-9169 (FIELD DAY)	KN9C RUDY RICHARDSON 1326 HIDEAWAY CT. INDIANAPOLIS, IN 46227 TEL: 881-1575 (ASST. E.C.)
NB9M BRAD STONE (NEWSLETTER) 1813 SOUTHWOOD GREENWOOD, IN 46142 TEL: 882-5245 (V.E.)	WA9ZET AL SOLTIS R.R.1 FRANKLIN, IN 46142 TEL: 535-8475	WB9RCI TOM SEIFERT 21 N. PATTERSON GREENWOOD, IN 46142 TEL: 888-4765 (ASST. E.C.)
WA9RDF I.A. SANDERS 370 CLARK ST. FRANKLIN, IN 46131 TEL: 736-5643	W9VKQ JIM WATKINS 3971 SHADOW HILL LN. GREENWOOD, IN 46142 TEL: 881-1211	WD9ENB GREG WOOD 613 PARADISE CT. GREENWOOD, IN 46142 TEL: 888-0349
WD9DVA ED WOODS 672 N. YEAGY CT. GREENWOOD, IN 46142 TEL: 887-3510 (ACTIVITIES)	WB9UWL DICK FARROW R.R.5 BOX 439 SHELBYVILLE, IN 46229 TEL: UNKNOWN	WB9ZQE MIKE HEAD 9046 MERCURY DR. INDIANAPOLIS, IN 46229 TEL: 898-2792 (HON.)
W1AW ARRL CLUB DESK 225 MAIN ST. NEWINGTON, CT 06111 TEL: UNKNOWN	TRP WILLIAM MURRAY XINDIANA STATE POLICE 8500 E. 21ST ST. INDIANAPOLIS, IN 46219 TEL: 897-6220 (HON.)	TRP JACK BEDAN X INDIANA STATE POLICE 8500 E. 21ST STREET INDIANAPOLIS, IN 46219 TEL: 897-6220 (HON.)
WB9YIG DAVE JULLIAN 5311 YUCATANE INDIANAPOLIS, IN 46237 TEL: 786-2905	KC9B0 CHUCK ADAMS 3550 BOWEN PL. INDIANAPOLIS, IN 46142 TEL: 241-4121	K9EMV WIN HARDISTY 116 MERCATOR DR. GREENWOOD, IN 46142 TEL: 881-4018
KI9T RICHARD HODSON R.R.5 BOX 88A FRANKLIN, IN 46131 TEL: 736-4778	WB9TSW TOBY MONK 140A OLIVER AVE. FRANKLIN, IN 62703 TEL: 736-9860	W9PRN ED METZGER 1520 S. FOURTH ST. SPRINGFIELD, IN 62703 TEL: UNKNOWN
WB9FIK BILL BALDWIN 129 TOTTEN DR. GREENWOOD, IN 46142 TEL: 881-2712	WA8VZY BOB HAWKINS 403 HARRELL DR. EDINBURGH, IN 46142 TEL: 535-9700 (HON.)	W9PSD PAT PYLE 5544 W. GALLAGHER GREENWOOD, IN 46142 TEL: UNKNOWN
W9KNM IRVIN BRADLEY 589 GRAHAM ST. FRANKLIN, IN 46131 TEL: 736-6605	N9EXK JACK PARKER 6 SUMMIT RIDGE CT. GREENWOOD, IN 46142 TEL: 881-0817	KA90QK WALT HOWARD PO BOX 461 FRANKLIN, IN 46131 TEL: 736-8129

THIS MEMBERSHIP LIST NOT FOR RELEASE OUTSIDE OF CLUB MEMBERS